INTERNATIONAL SEARCH REPORT

Internal Application No PCT/ZA 03/00182

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F41A25/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{F41A} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	
	where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 168 049 A (PERITT HARVEY L) 18 September 1979 (1979-09-18) the whole document	1,2,8, 11-17
A	US 4 483 235 A (HALLQVIST STEN) 20 November 1984 (1984-11-20) column 2, line 49 -column 3, line 26; figures 1,2	1,13-17
A	GB 559 586 A (SPIRITO MARIO VIALE) 25 February 1944 (1944-02-25) the whole document	1,13-17
A	GB 1 099 651 A (SECR DEFENCE) 17 January 1968 (1968-01-17) page 2, line 13-35; figure 1	1,13-17
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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the International filing date	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention
 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 	cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the International search 7 April 2004	Date of mailing of the international search report $16/04/2004$
Name and malling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Van der Plas, J
orm PCT/ISA/210 (second sheet) (January 2004)	

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/ZA 03/00182		
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4	GB 2 157 406 A (BOFORS AB) 23 October 1985 (1985-10-23)			
,	US 4 638 714 A (HEINTZ WOLFGANG ET AL) 27 January 1987 (1987-01-27)			

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Information on patent family members

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